



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
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SECRETARY

JOHN AUERBACH
COMMISSIONER

Matthew McDonough, ADA

Norfolk County District Attorney's Office
By e-mail

September 19, 2011

Re: Comm. v. [REDACTED] State Lab nos. [REDACTED]

ADA McDonough,
Please find below a discovery package for the case noted above. The material is collated in the following manner:

- 1) the c.v.'s of the chemists
- 2) the Evidence Office receipt to the Quincy Police
- 3) the inventory control cards
- 4) the Drug Powder Analysis Forms
- 5) the gas chromatography/mass spectrometry (gc/ms) data

I was the custodial chemist responsible for the chain of custody, weights and the preliminary analysis of the exhibit. Annie Khan operated the gc/ms for the confirmatory analysis.

If you need further clarification of this material, call me directly at (617) 983-6627.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Lawler", written over a horizontal line.

Michael Lawler
Senior Chemist

Cc: Annie Khan

Curriculum Vitae

Michael Lawler

Education:

University of Virginia, Charlottesville, Va. Bachelor of Arts in English, 1975

Harvard University, Cambridge, Ma. Master of Arts in biology, 1995

Experience:

1990-present currently Chemist III, Mass. Dept. of Public Health, Drug Lab analyst determining the identity of unknown substances and providing expert testimony in the Courts. Conduct special testing for poisons within drug exhibits.

2005-present lecturer in chemistry, Curry College, Milton, Ma.

1988-1990 New England Newborn Screening (NENS) Biochemist conducting pilot studies and validation trials of new newborn screening tests. Investigator and co-author of papers noted below. Introduced screening test for Biotinidase Deficiency. Liaison with interstate collaborators in national studies.

1983-1988 Supervised NENS urine screening lab for metabolic disorders. Conducted research in collaboration with Children's Hospital (Boston) detecting neuroblastoma, a cancer of early childhood. Conducted reference testing for rare metabolic disorders for an international audience.

1982-1983 NENS hypothyroid assay technologist with Tuft's University

1979-1981 Mass. Bay Community College, staff technologist preparing materials for the laboratory technician program, which included reagents, apparatus and maintaining stock cultures of human pathogens.

Additional education and special training

Drug Analysis, completed six week training course by senior staff within the

Department of Public Health Drug Analysis Laboratory

National Laboratory Network Training Program course as Expert Witness

Qualified as an expert witness in the Massachusetts Courts and the U.S. District Court

CDC course in cell culture

CDC course in antibiotic resistance

CDC course in public health response to bioterrorism

U.S. Army course in biologic warfare and terrorism

Journal Publications

Screening, 1992, 1:34-37; Lawler,M., Frederick,S., Rodriguez-Anza, S., Wolf,B., Levy,H., *Newborn Screening for Biotinidase Deficiency, Pilot Study and Follow-up of Identified Cases*

Genetic Screening, 1990, 11-18, Mitchell,M., Lawler,M., Walraven,C., Hermos,R., *To Screen or Not to Screen for Congenital Hyperplasia: Is that the Question?*

The Journal of Pediatrics, 116: 78-83, Secor-McVoy,J., Lawler,M., Schmidt, M., Ebers,D., Hart,P., Pettit,D., Blitzer,M., Wolf,B., *Partial Biotinidase Deficiency: Clinical and Biochemical Features*

Professional Affiliations

Northeastern Association of Forensic Scientists (NEAFS) since 2005

Awards

Theobald Smith Education Grant for graduate studies

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma., Master of Science in Chemistry, (present)
University of Massachusetts, Boston, Ma., Bachelor of Science in Biochemistry, 2001

Experience:

2003 – present

Chemist II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, January 2004.
- *Responsible for the identification of drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of analytical instruments.
- *Maintain the Quality Control of analytical instruments and controls/standards.
- * Maintain the Quality Control/Quality Assurance program for the drug lab.
- *Notary Public

2001 – 2003

QC Analyst II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the Massachusetts Biologic Laboratory, Quality Control and Quality Assurance Department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Method Development for creating new techniques for the QC Department.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

GLP/GMP course with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC course with Agilent Technologies and Restek.
HPLC course with Waters Cooperation.
FTIR course with Spectros.
TOC training with Massachusetts Biologic Laboratory and Sievers.

Association:

American Chemical Society (ACS)

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

DRUG RECEIPT

City or Department: Quincy

Police Reference No [REDACTED]

Name and Rank of Submitting Officer: Det. W. WARD

Defendant(s) Name (last, first, initial):
[REDACTED]

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight

Lab Number

15 P/B Brown Powder	6.16 gm	[REDACTED]
4 P/B of Brown Powder	3.14 gm	
19 P/B of off-white rock-crystal	6.27 gm	

Received by: AS

Date: 11-5-09

No. [REDACTED]
City: Quincy Police Dept.
Officer: Detective BRIAN COEN
Def: [REDACTED]

Date Analyzed: 05-17-10

Amount:
No. Cont: 15 Cont: pb
Date Rec'd: 11/05/2009
Gross Wt.: 6.16 ✓

Subst: SUB

No. Analyzed: 2
Net Weight: 2.98g
Tests: 10ML

Prelim:

Heroin

Findings:

Heroin

No. [REDACTED]
City: Quincy Police Dept.
Officer: Detective BRIAN COEN
Def: [REDACTED]

Date Analyzed: 05-17-10

Amount:
No. Cont: 4 Cont: pb
Date Rec'd: 11/05/2009
Gross Wt.: 3.14 ✓

Subst: SUB

No. Analyzed: 1
Net Weight: 0.09g
Tests: 5ML

Prelim:

Heroin

Findings:

Heroin

No. [REDACTED]
City: Quincy Police Dept.
Officer: Detective BRIAN COEN
Def: [REDACTED]

Date Analyzed: 05-17-10

Amount:
No. Cont: 19 Cont: pb
Date Rec'd: 11/05/2009
Gross Wt.: 6.27 ✓

Subst: SUB

No. Analyzed: 2
Net Weight: 3.33g
Tests: 18ML

Prelim:

cocaine

Findings:

cocaine

62000000
00000000

62000000
00000000

62000000
00000000

DRUG POWDER ANALYSIS FORM

5-17-10

SAMPLE #

AGENCY

Quincy

ANALYST

MXC

No. of samples tested: _____

Evidence Wt.

60.16 g

PHYSICAL DESCRIPTION:

*15 pb w/ sub
3 larger
12 smaller*

Gross Wt (): _____

4.1407

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: _____

2.9802

OHAUS 2334

5-13-10

*20g = 20.0000g
10g = 10.0001g
5g = 5.0000g
1g = 0.9999g*

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate ()

(+) x 2

Marquis

(+)

Froehde's

(+)

Mecke's

(+) ✓

Microcrystalline Tests

Gold Chloride _____

TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS _____

DATE _____

GC/MS CONFIRMATORY TEST

RESULTS

Heroin

MS OPERATOR

ASD

DATE

5-17-10

Sample #: _____

samples tested: _____

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	larger		0.4586	26			
2	smaller		0.1337	27			
3				28			
4				29			
	0.0			30			
	0.0			31			
				32			
	0.4586 x			33			
	3. =			34			
	1.3758 x			35			
	0.0			36			
	0.0			37			
				38			
	0.1337 x			39			
	12. =			40			
	1.6044 x			41			
	0.0			42			
	1.3758 +			43			
	1.6044 +			44			
	2.9802 *			45			
	0.0			46			
	0.0			47			
22				48			
23				49			
24				50			
25							

Calculations:

$$\text{derived total} = 2.9802$$

DRUG POWDER ANALYSIS FORM

5-17-10

SAMPLE #

AGENCY

Quincy

ANALYST

ML

No. of samples tested:

Evidence Wt.

3.14

PHYSICAL DESCRIPTION:

4 pb w/ sub

Gross Wt (): 1.1188

Gross Wt ():

Pkg. Wt:

Net Wt: 0.0980

OHAUS 2334 5-13-10

20g = 20.5000g
10g = 10.0001g
5g = 5.0000g
1g = 0.9999g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate () (-)
Marquis (+)
Froehde's (+)
Mecke's (+)

Microcrystalline Tests

Gold Chloride _____
TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS _____

DATE _____

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS OPERATOR ABD

DATE 5-17-10

Sample #: _____

samples tested: _____

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1				26			
2				27			
3				28			
4				29			
5				30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

Calculations:

DRUG POWDER ANALYSIS FORM

5-17-10

SAMPLE #



AGENCY

Quincy

ANALYST

MDR

No. of samples tested:



Evidence Wt.

6.27

PHYSICAL DESCRIPTION:

19 pb w/sub

Gross Wt ():

4.25231

Gross Wt ():

Pkg. Wt:

Net Wt:

3.3307

OHAUS 2334 5-14-10
20g = 20.0000g
10g = 10.0000g
5g = 5.0000g
1g = 1.0000g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate

(+) H+ x2

Marquis

(-)

Froehde's

(-)

Mecke's

(-)

Microcrystalline Tests

Gold Chloride

(+) x2

TLTA

(+) H+ (+)

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

DATE

GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

MS OPERATOR

ASP

DATE

5-17-10

Sample #: _____

samples tested: _____

	Gross	Net		Gross		Net
		Weight	#	Weight	Packet Weight	Weight
	0.0	0.1529	26			
		0.1976	27			
	0.1529+		28			
	0.1976+		29			
	0.3305+		30			
	2.0 =		31			
	0.1753*		32			
			33			
	0.1753x		34			
	19.0 =		35			
	0.3307*		36			
			37			
12			38			
13			39			
14			40			
15			41			
16			42			
17			43			
18			44			
19			45			
20			46			
21			47			
22			48			
23			49			
24			50			
25						

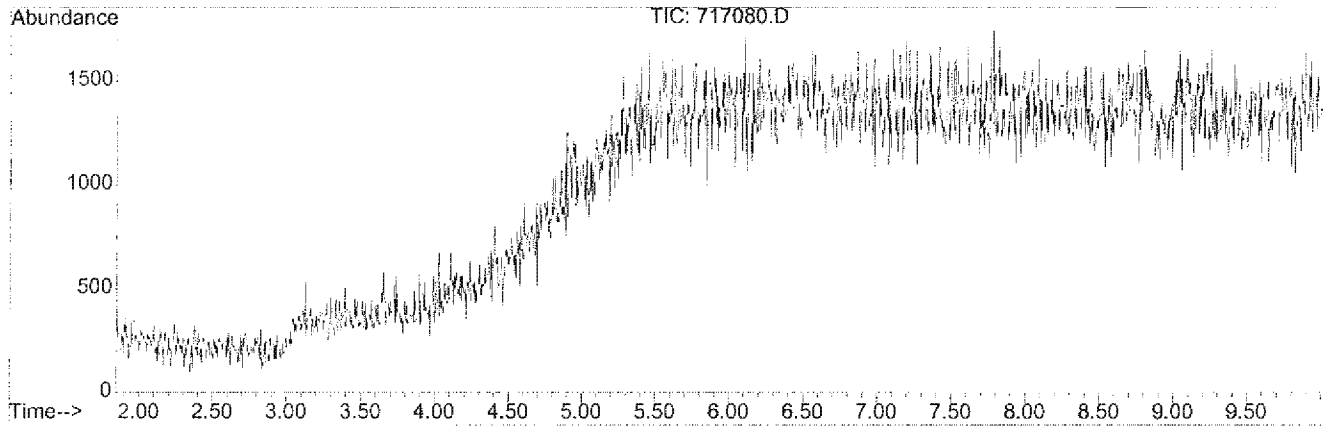
Calculations:

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\717080.D
Operator : ASD
Date Acquired : 15 May 2010 5:45
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

✓ ASD
3-15-11



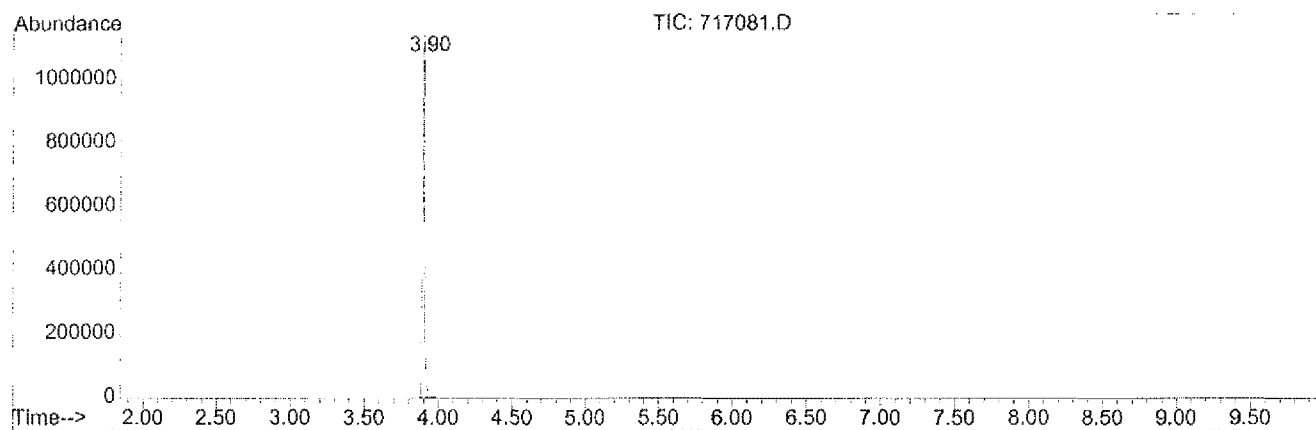
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\717081.D
 Operator : ASD
 Date Acquired : 15 May 2010 5:59
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 81
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.895	1005312	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

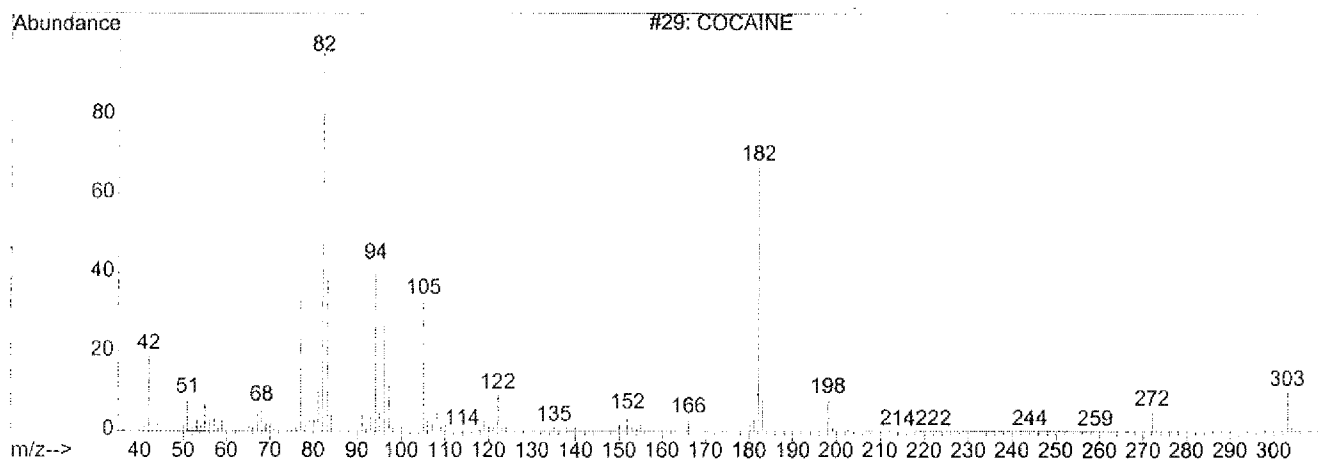
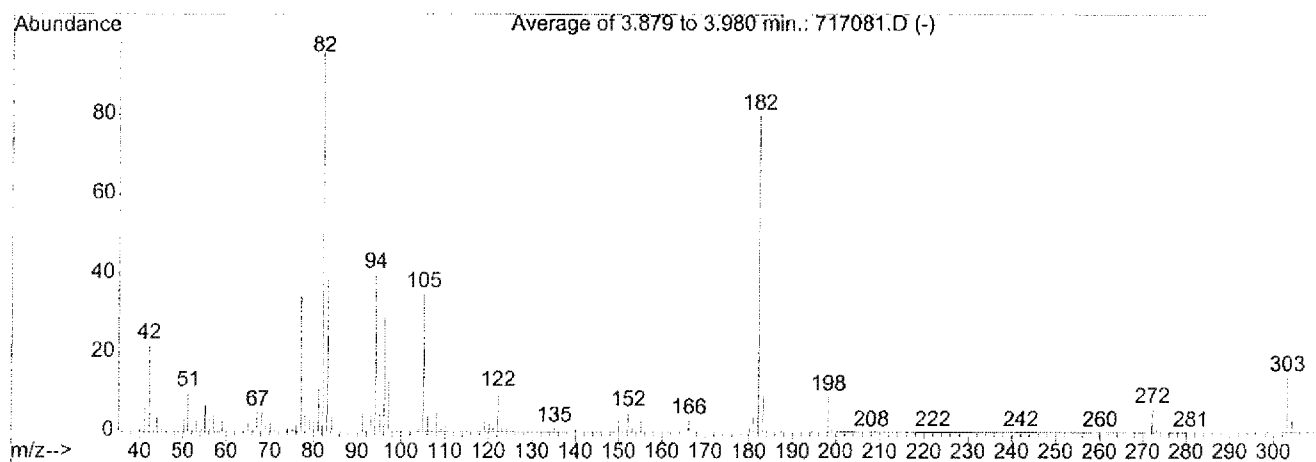
```

File Name       : F:\Q2-2010\SYSTEM4\05_14_10\717081.D
Operator        : ASD
Date Acquired   : 15 May 2010   5:59
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 81
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries:  C:\DATABASE\SLI.L           Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                   C:\DATABASE\NIST98.L
  
```

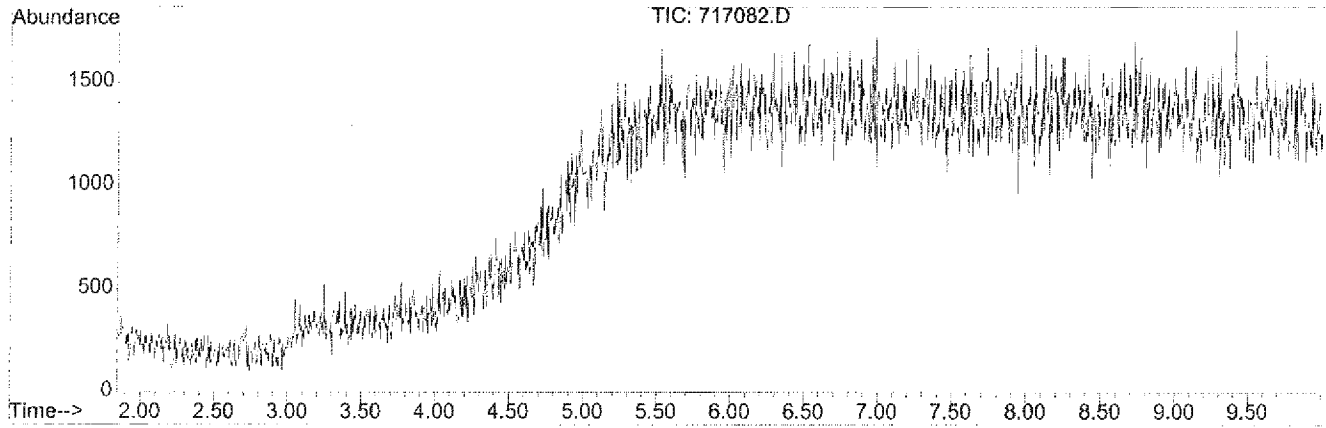
PK#	RT	Library/ID	CAS#	Qual
1	3.90	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\717082.D
Operator : ASD
Date Acquired : 15 May 2010 6:13
Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



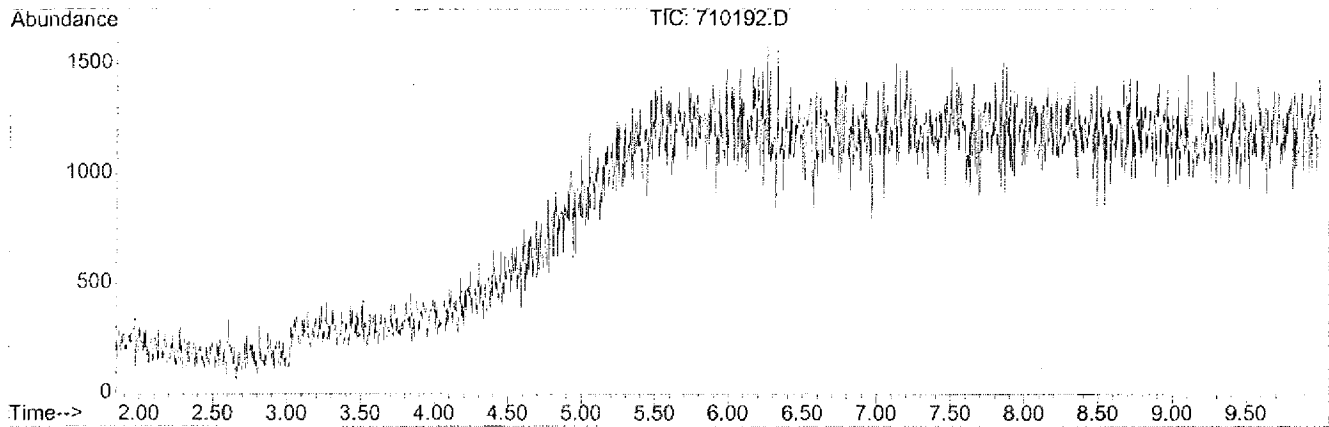
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710192.D
Operator : ASD
Date Acquired : 15 May 2010 19:53
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



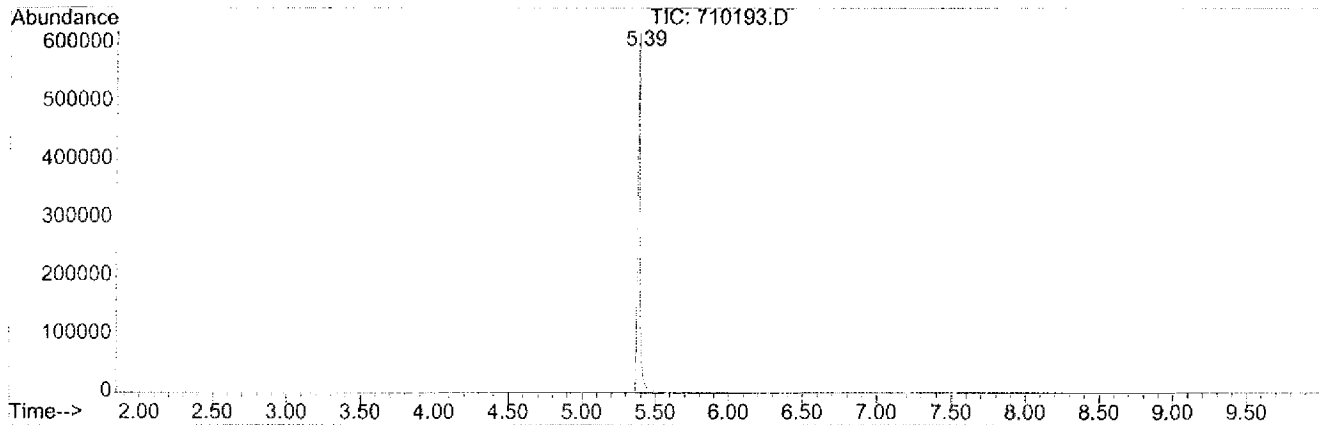
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710193.D
 Operator : ASD
 Date Acquired : 15 May 2010 20:07
 Sample Name : HEROIN STD
 Submitted by : MGL
 Vial Number : 34
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.387	741242	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

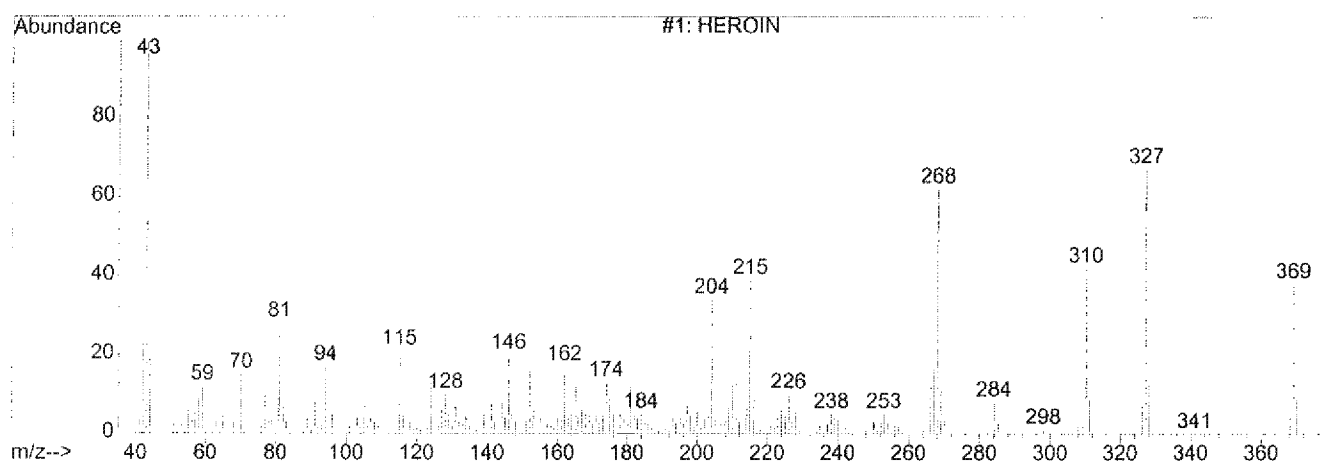
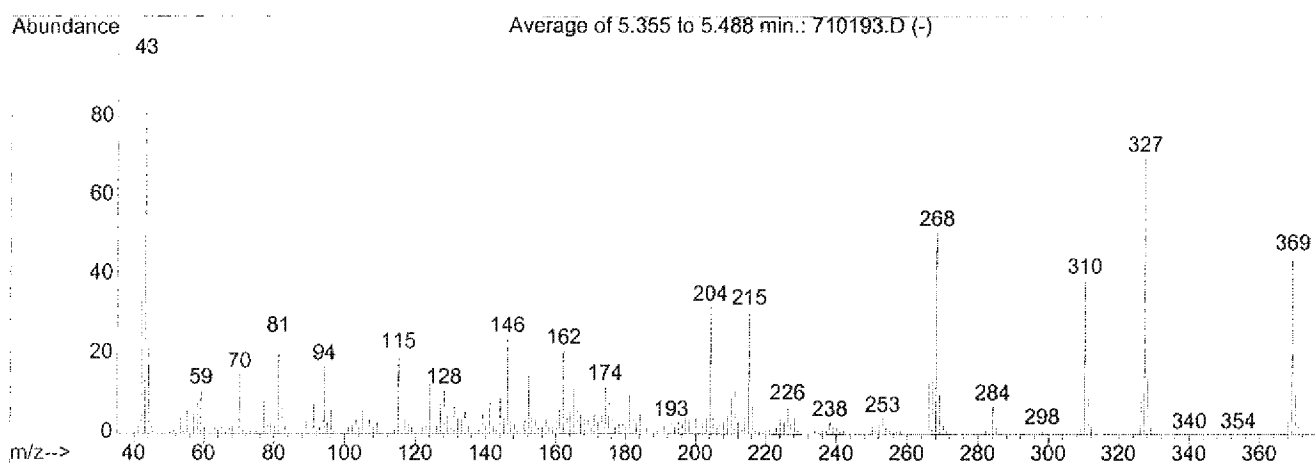
```

File Name       : F:\Q2-2010\SYSTEM4\05_14_10\710193.D
Operator        : ASD
Date Acquired   : 15 May 2010   20:07
Sample Name     : HEROIN STD
Submitted by    : MGL
Vial Number     : 34
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

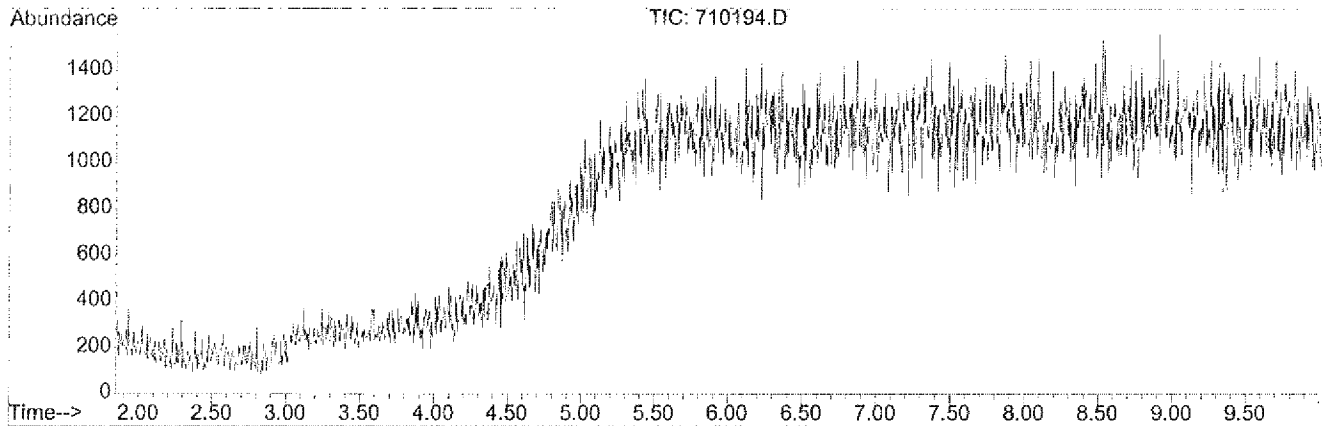
PK#	RT	Library/ID	CAS#	Qual
1	5.39	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710194.D
Operator : ASD
Date Acquired : 15 May 2010 20:20
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



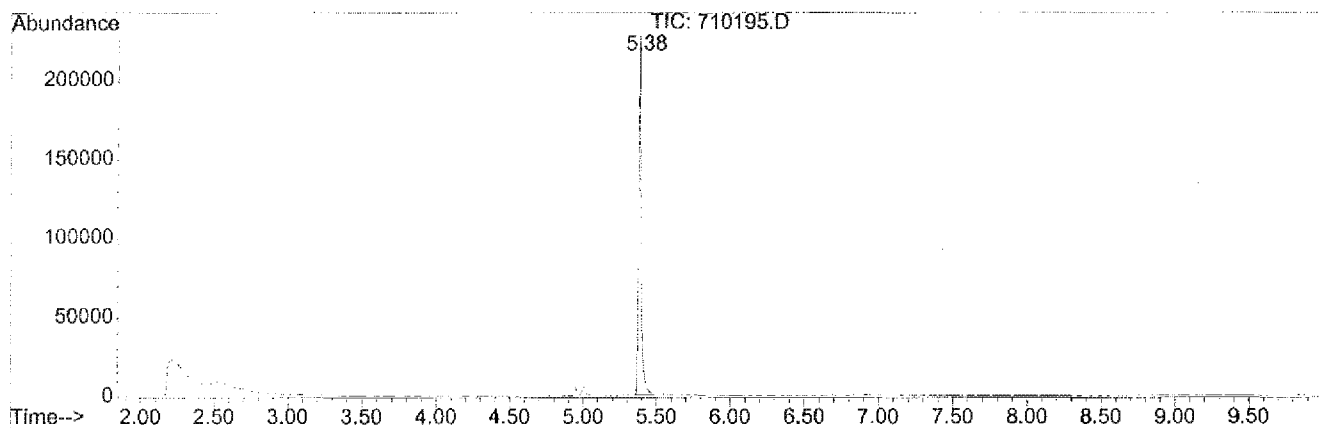
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710195.D
 Operator : ASD
 Date Acquired : 15 May 2010 20:34
 Sample Name : XXXXXXXXXX
 Submitted by : MGL
 Vial Number : 37
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.383	278542	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

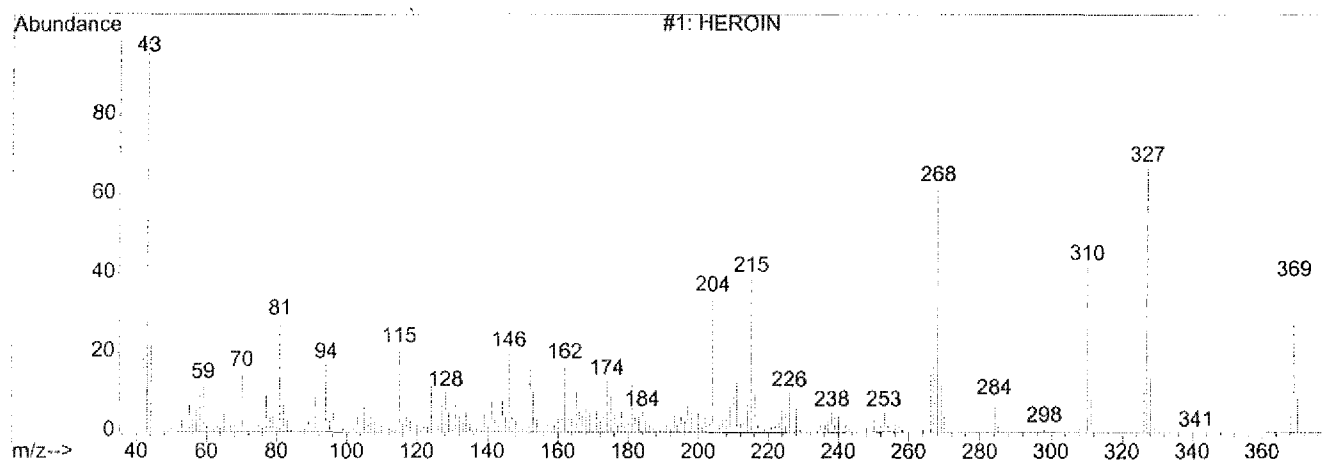
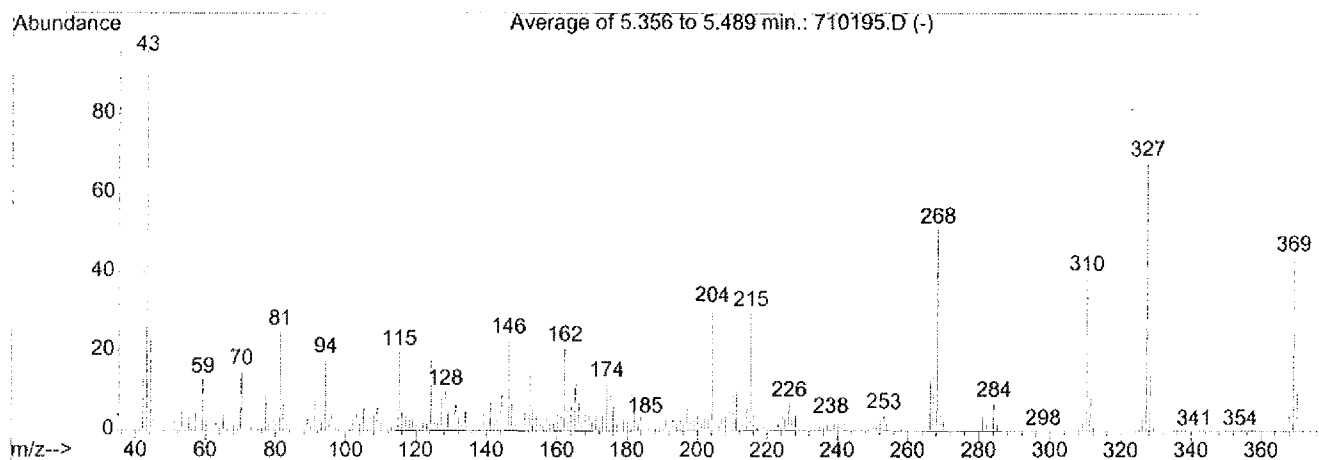
```

File Name       : F:\Q2-2010\SYSTEM4\05_14_10\710195.D
Operator        : ASD
Date Acquired   : 15 May 2010   20:34
Sample Name     : ██████████
Submitted by    : MGL
Vial Number     : 37
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

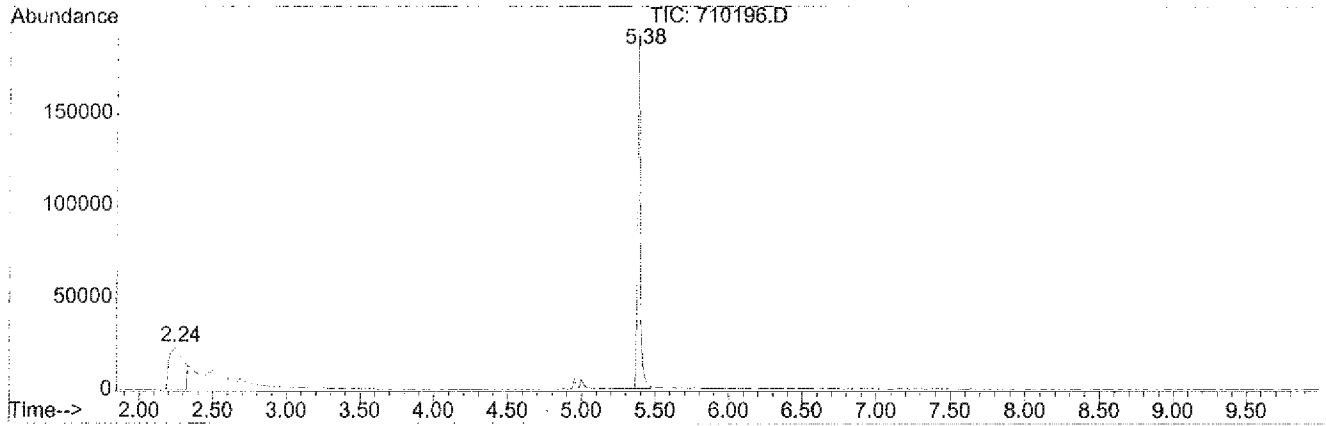
PK#	RT	Library/ID	CAS#	Qual
1	5.38	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710196.D
 Operator : ASD
 Date Acquired : 15 May 2010 20:47
 Sample Name : XXXXXXXXXX
 Submitted by : MGL
 Vial Number : 39
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.240	148360	37.66	60.40
5.382	245629	62.34	100.00

Area Percent / Library Search Report

Information from Data File:

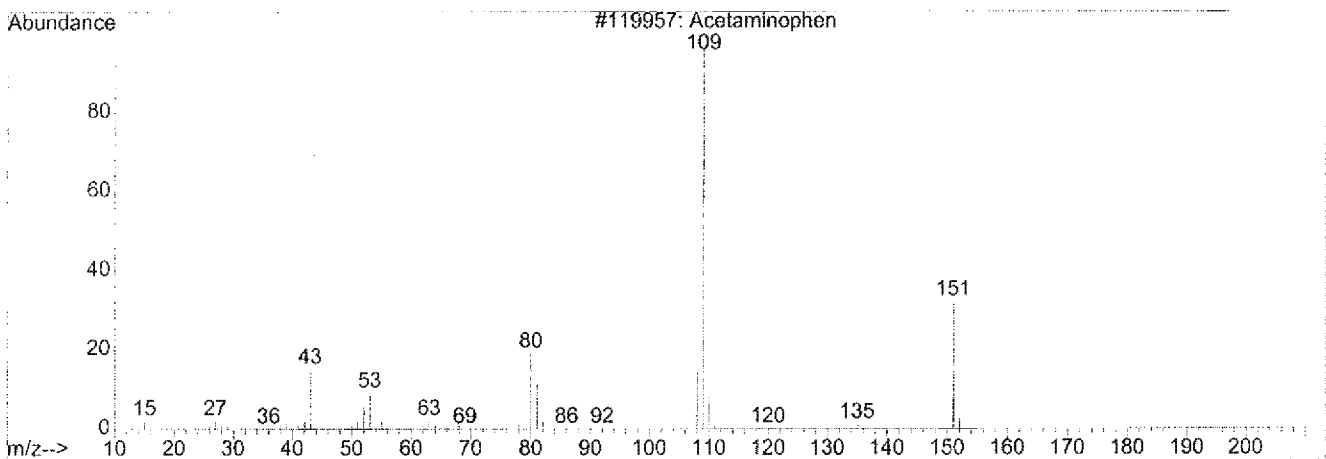
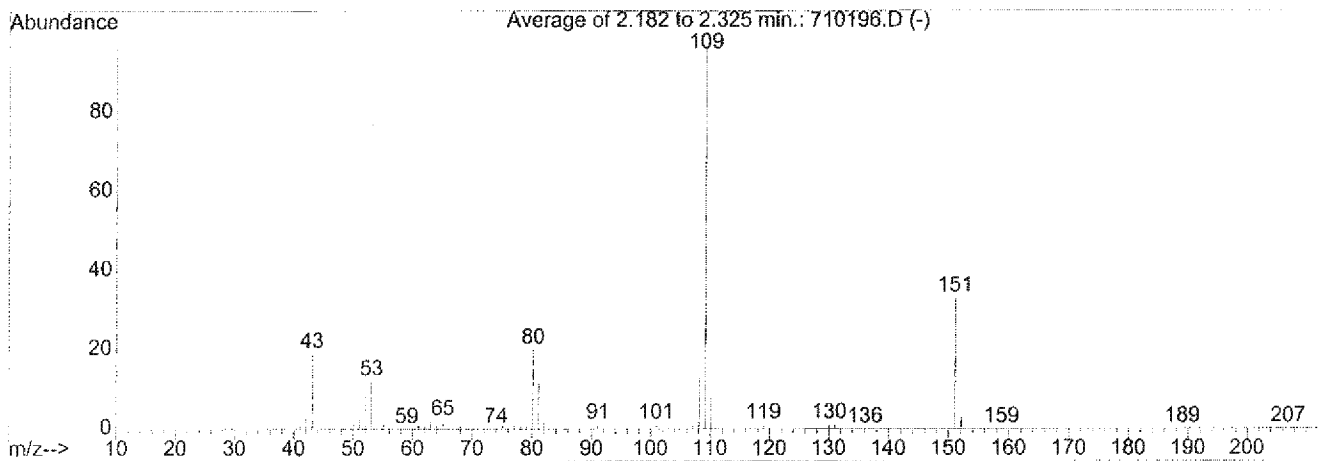
```

File Name       : F:\Q2-2010\SYSTEM4\05_14_10\710196.D
Operator        : ASD
Date Acquired   : 15 May 2010   20:47
Sample Name     : 
Submitted by    : MGL
Vial Number     : 39
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.24	C:\DATABASE\NIST98.L		
		Acetaminophen	000103-90-2	95
		Acetaminophen	000103-90-2	94
		Metacetamol	000621-42-1	90



Area Percent / Library Search Report

Information from Data File:

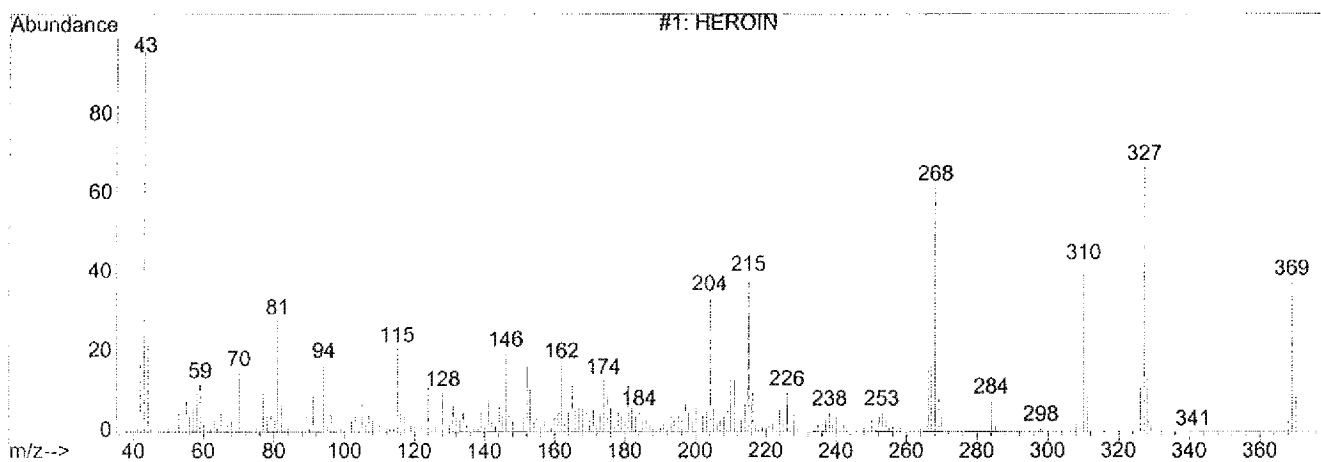
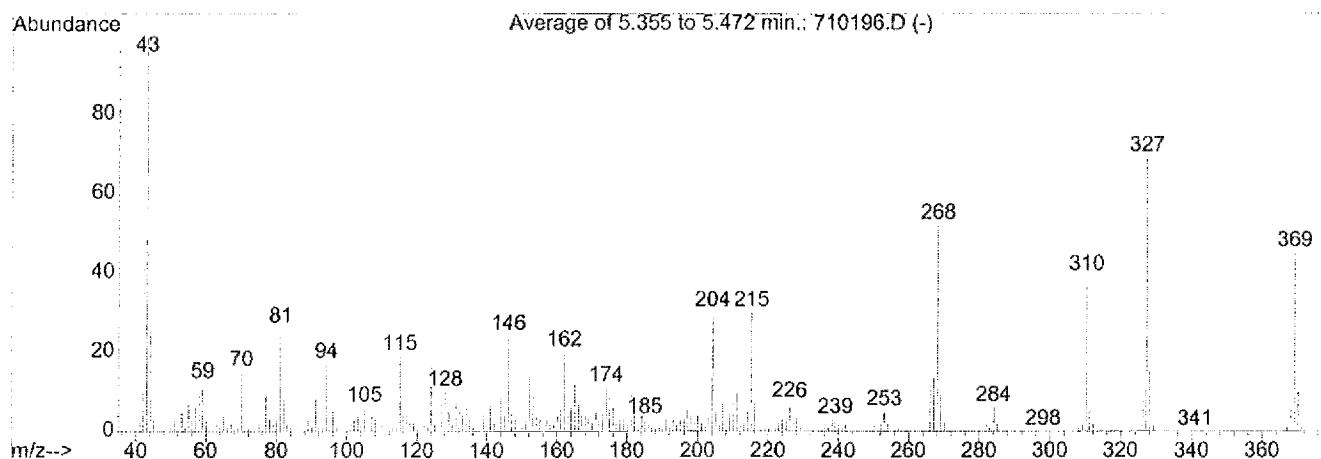
```

File Name       : F:\Q2-2010\SYSTEM4\05_14_10\710196.D
Operator        : ASD
Date Acquired   : 15 May 2010   20:47
Sample Name     : ██████████
Submitted by    : MGL
Vial Number     : 39
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

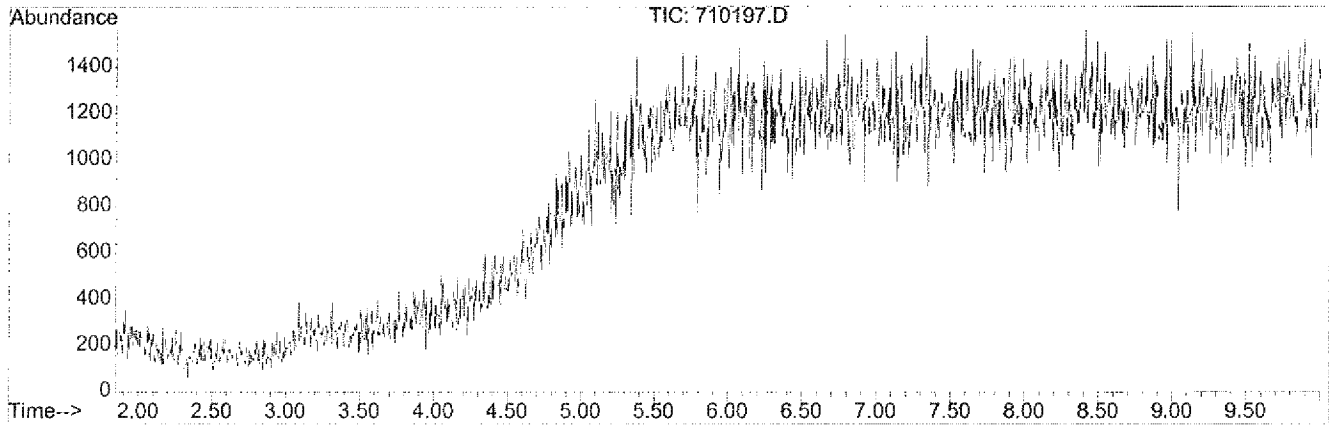
PK#	RT	Library/ID	CAS#	Qual
2	5.38	C:\DATABASE\SLI.L HEROIN	000561-27-3	94



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710197.D
Operator : ASD
Date Acquired : 15 May 2010 21:01
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



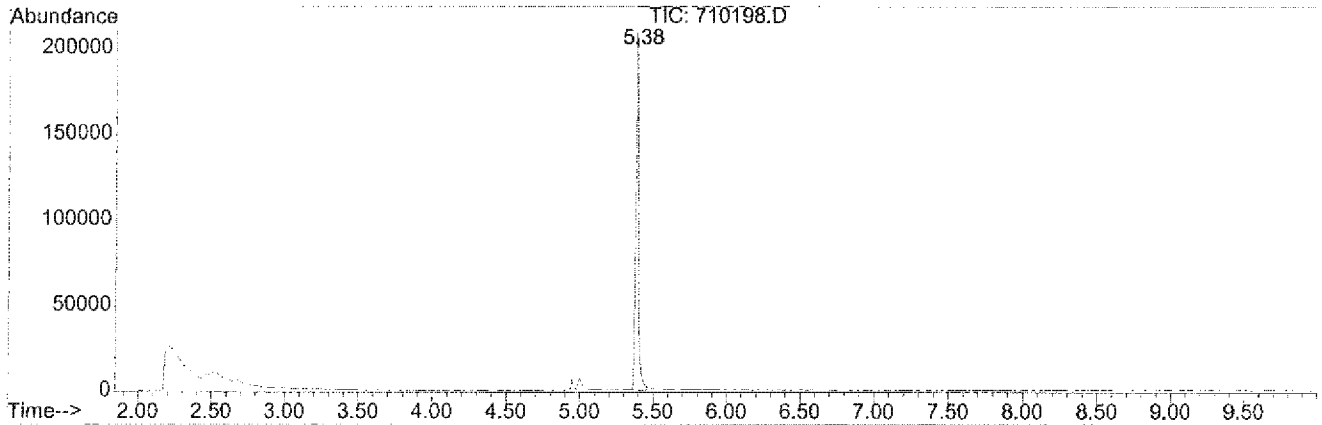
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710198.D
Operator : ASD
Date Acquired : 15 May 2010 21:14
Sample Name : XXXXXXXXXX
Submitted by : MGL
Vial Number : 41
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.379	267678	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

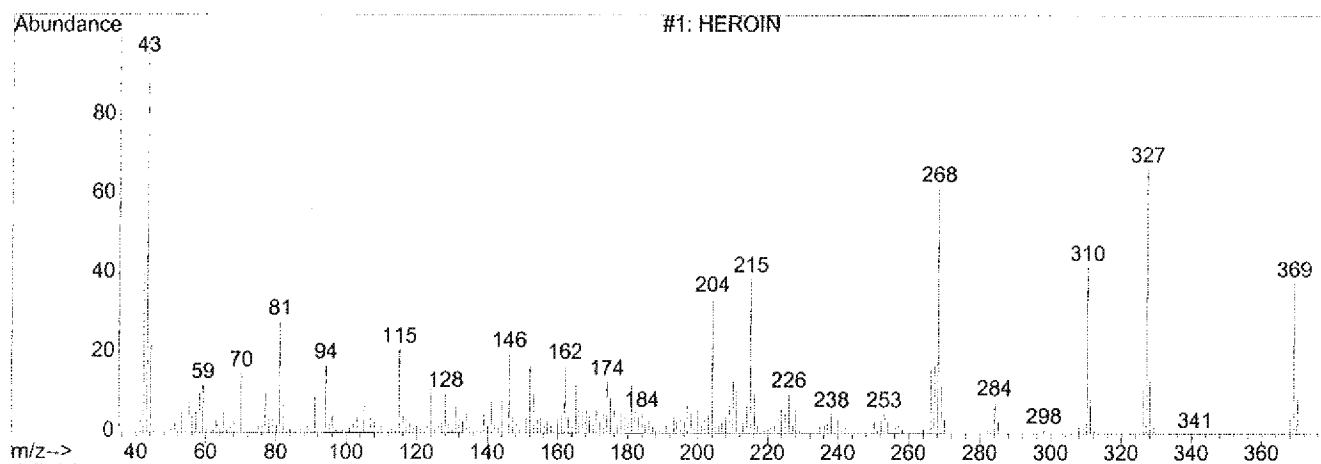
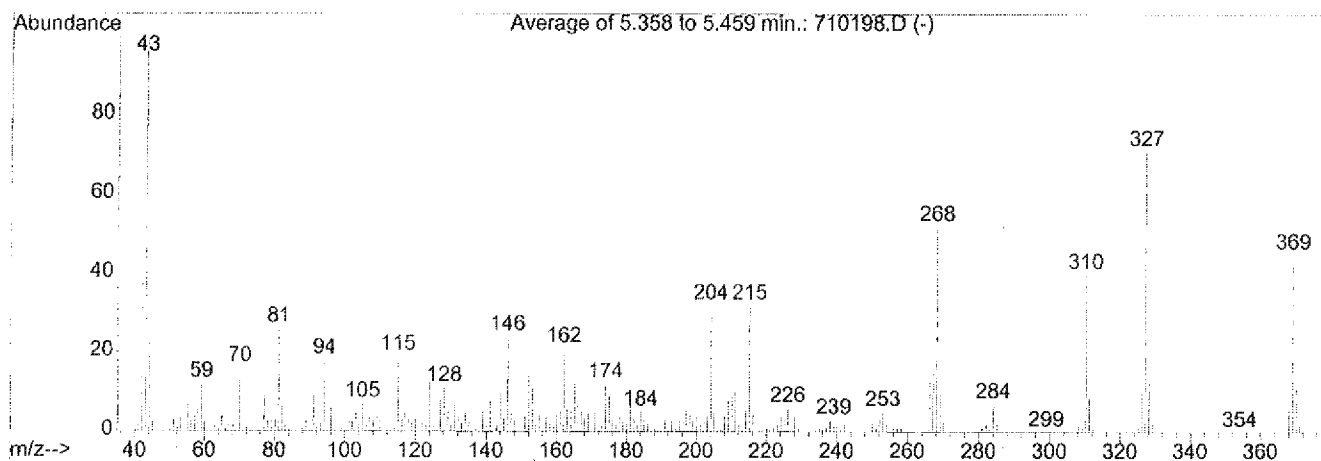
```

File Name       : F:\Q2-2010\SYSTEM4\05_14_10\710198.D
Operator        : ASD
Date Acquired   : 15 May 2010   21:14
Sample Name     : ██████████
Submitted by    : MGL
Vial Number     : 41
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

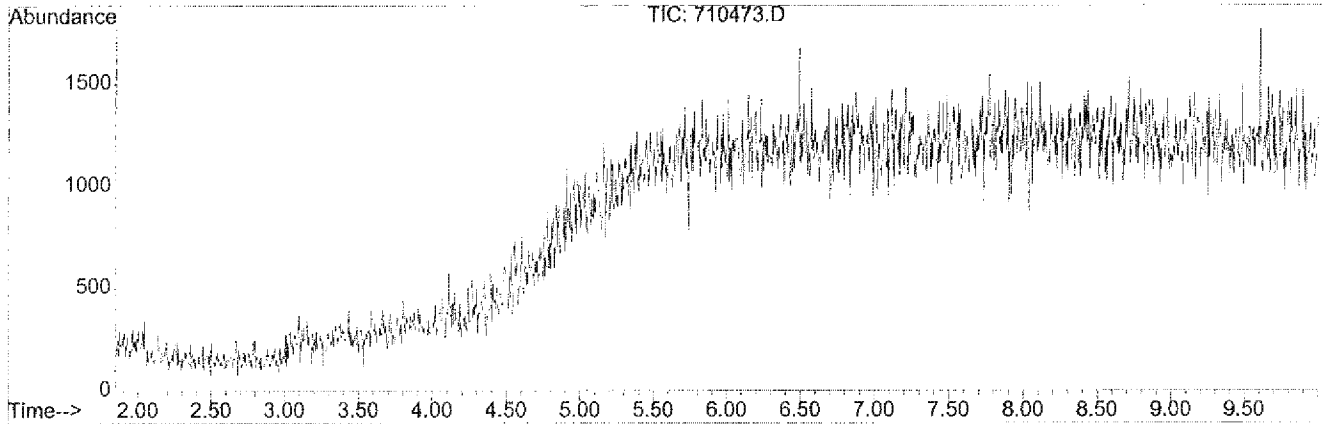
PK#	RT	Library/ID	CAS#	Qual
1	5.38	C:\DATABASE\SLI.L HEROIN	000561-27-3	91



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710473.D
Operator : ASD
Date Acquired : 15 May 2010 21:28
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



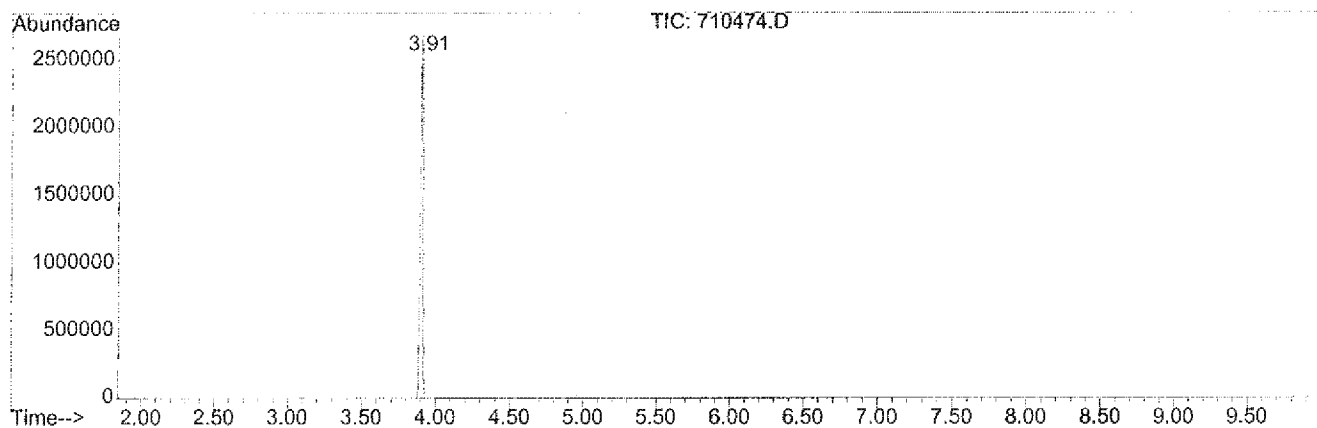
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710474.D
 Operator : ASD
 Date Acquired : 15 May 2010 21:41
 Sample Name : XXXXXXXXXX
 Submitted by : MGL
 Vial Number : 43
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.909	3260574	100.00	100.00

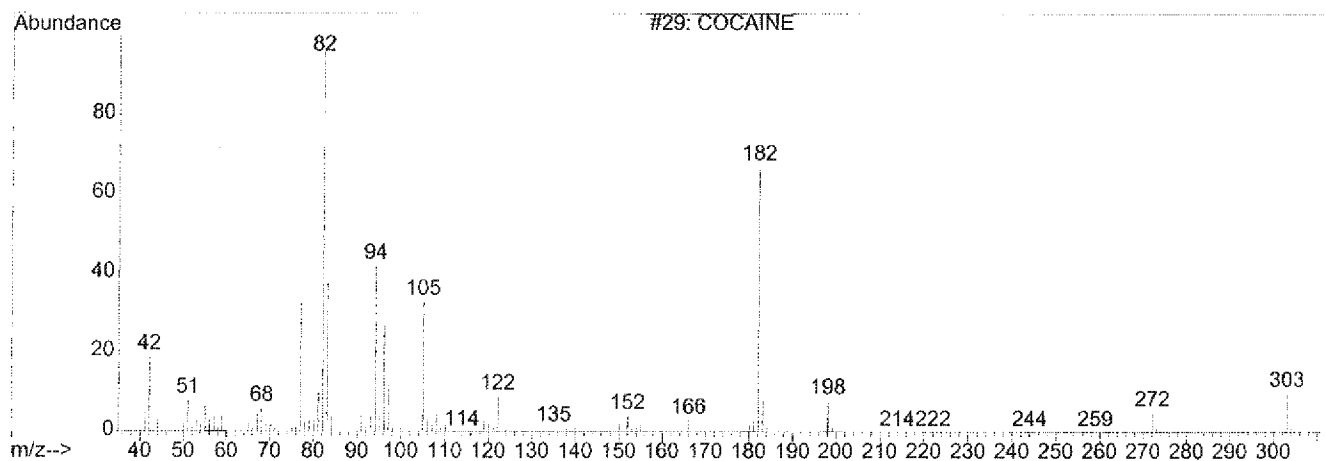
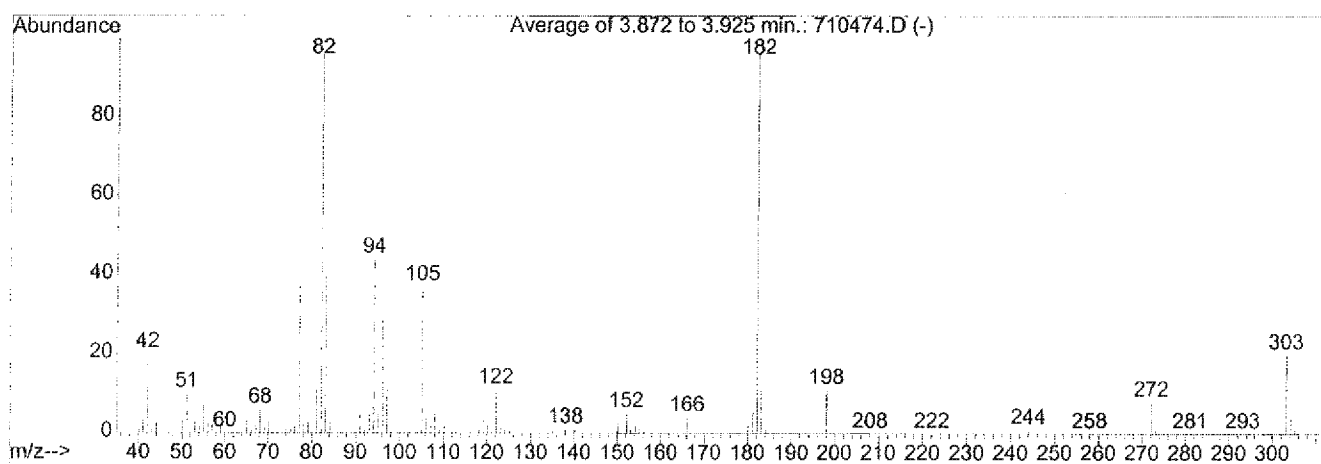
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710474.D
 Operator : ASD
 Date Acquired : 15 May 2010 21:41
 Sample Name : XXXXXXXXXX
 Submitted by : MGL
 Vial Number : 43
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

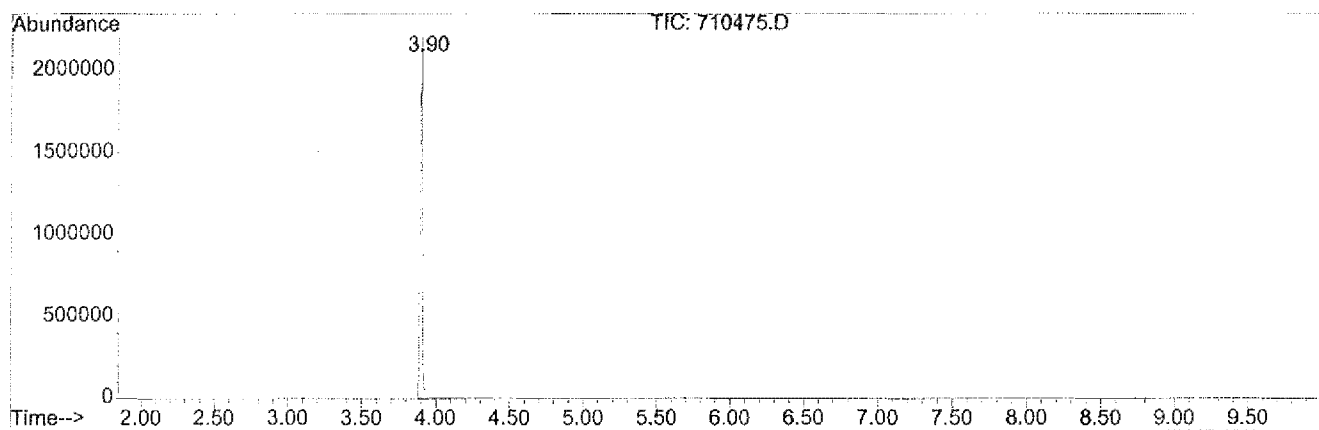
PK#	RT	Library/ID	CAS#	Qual
1	3.91	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710475.D
 Operator : ASD
 Date Acquired : 15 May 2010 21:55
 Sample Name : XXXXXXXXXX
 Submitted by : MGL
 Vial Number : 45
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.901	2255536	100.00	100.00

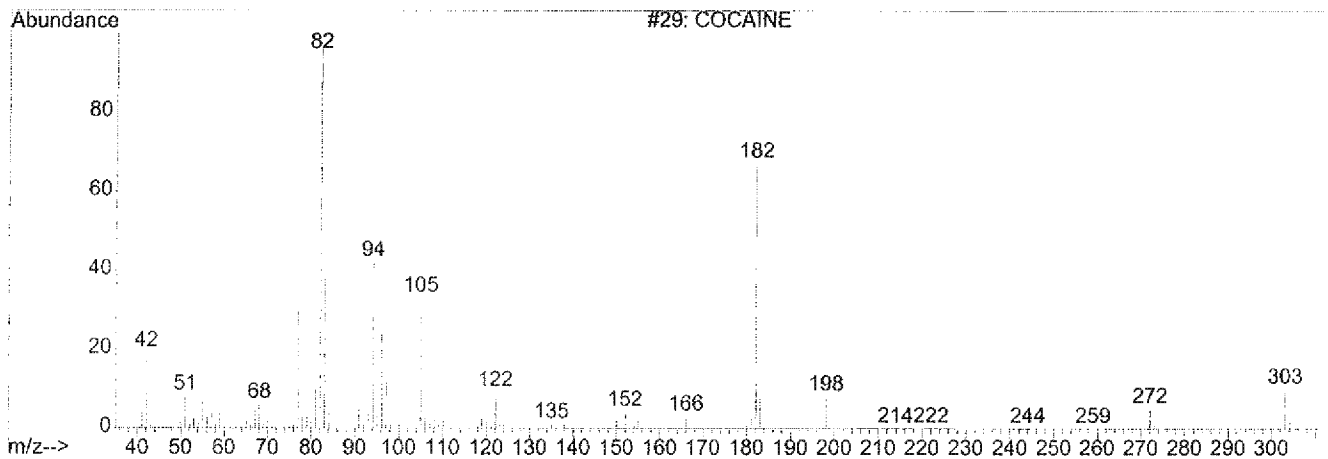
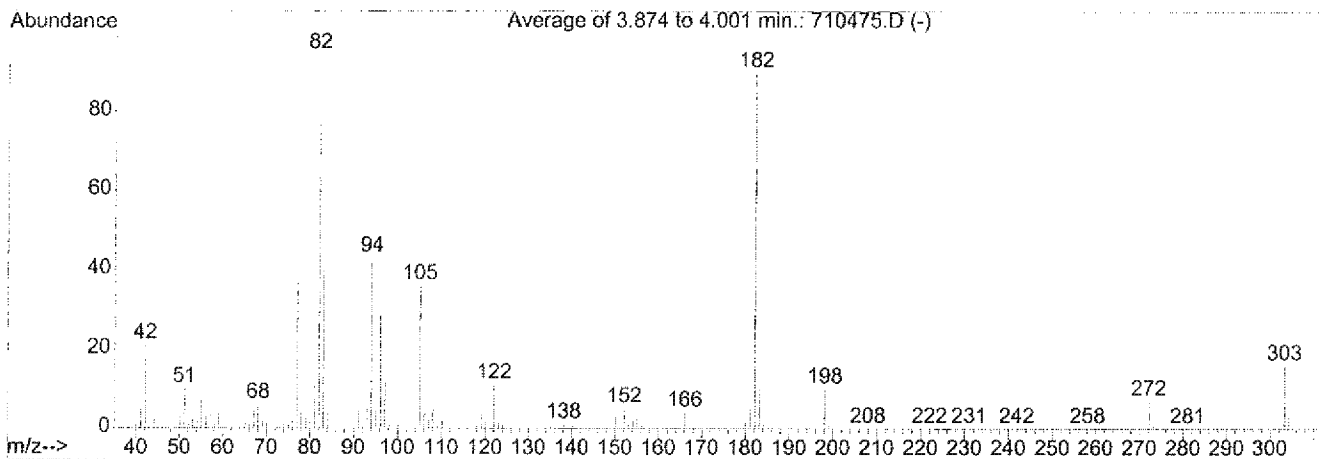
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710475.D
Operator : ASD
Date Acquired : 15 May 2010 21:55
Sample Name : XXXXXXXXXX
Submitted by : MGL
Vial Number : 45
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

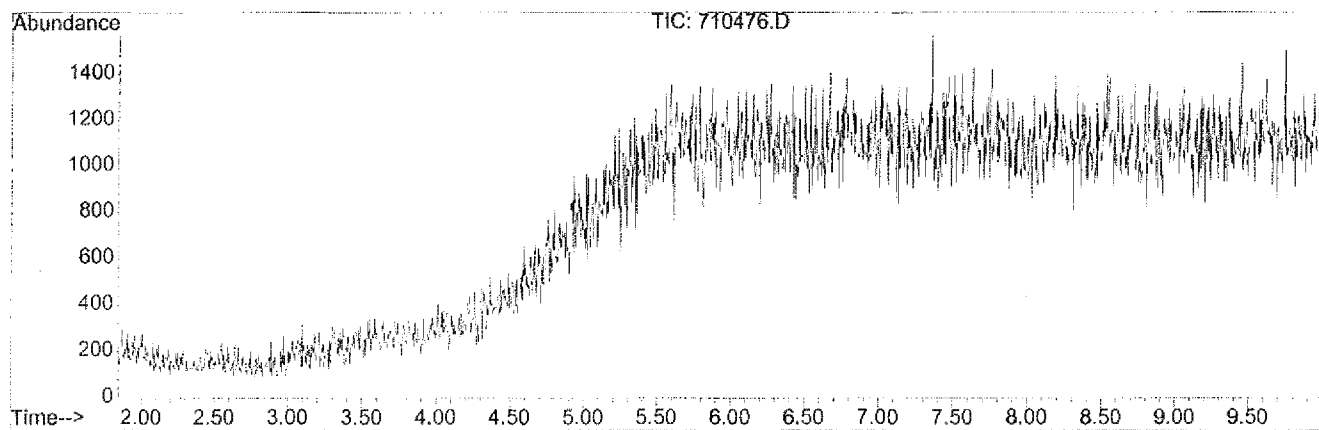
PK#	RT	Library/ID	CAS#	Qual
1	3.90	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710476.D
Operator : ASD
Date Acquired : 15 May 2010 22:08
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



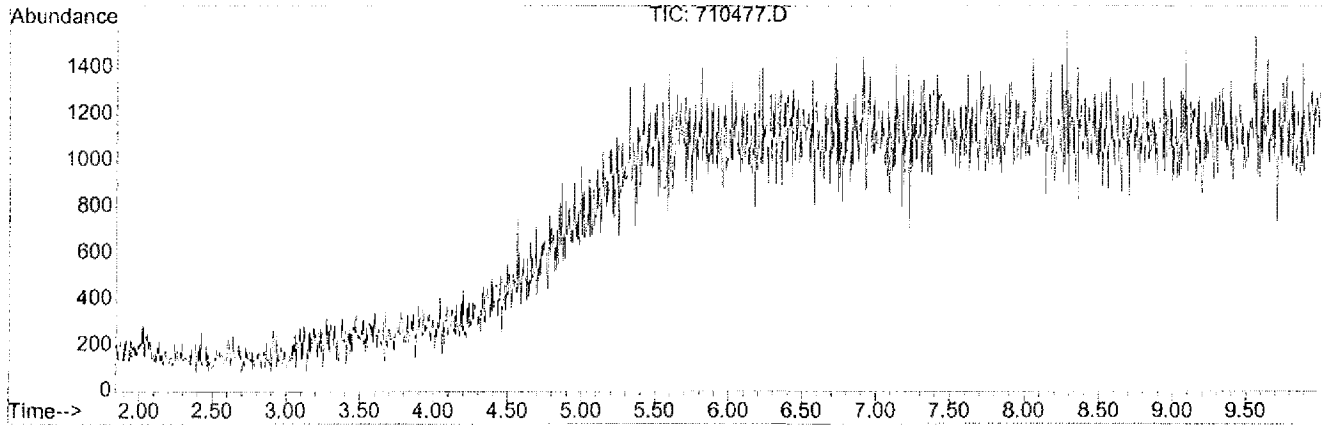
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710477.D
Operator : ASD
Date Acquired : 15 May 2010 22:22
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



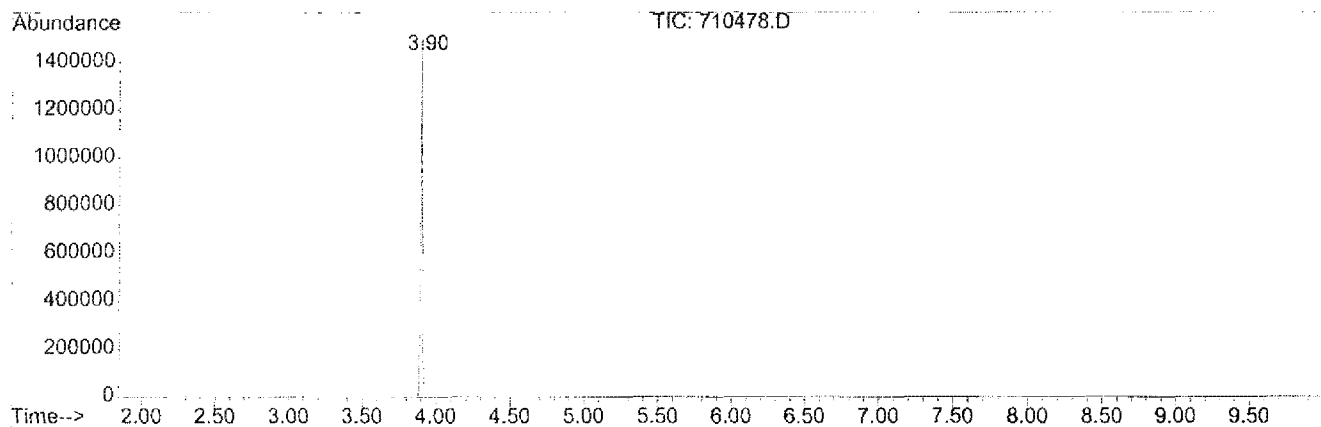
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710478.D
 Operator : ASD
 Date Acquired : 15 May 2010 22:35
 Sample Name : COCAINE STD
 Submitted by : MGL
 Vial Number : 5
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.898	1315826	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

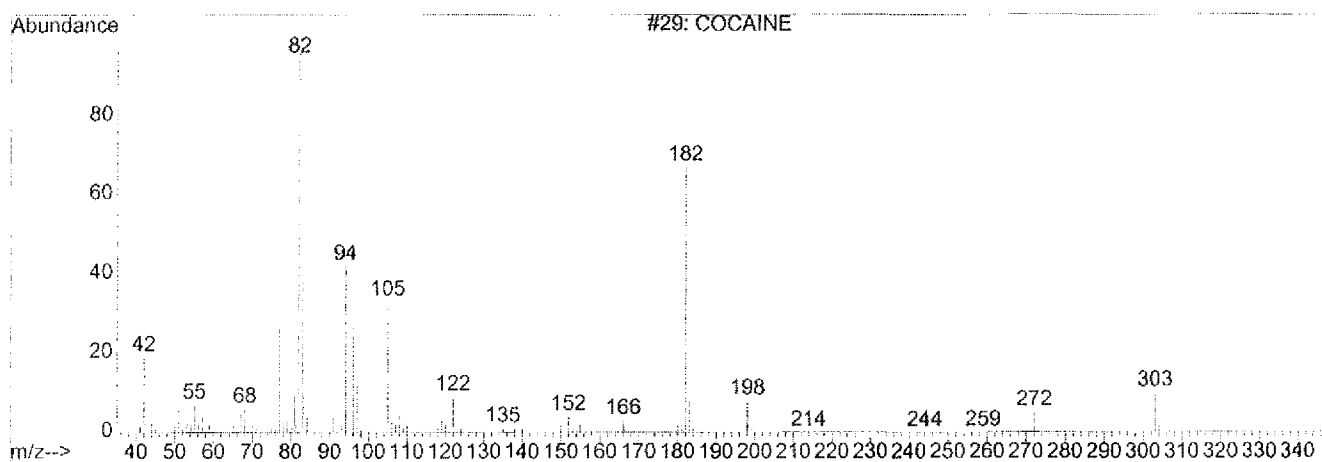
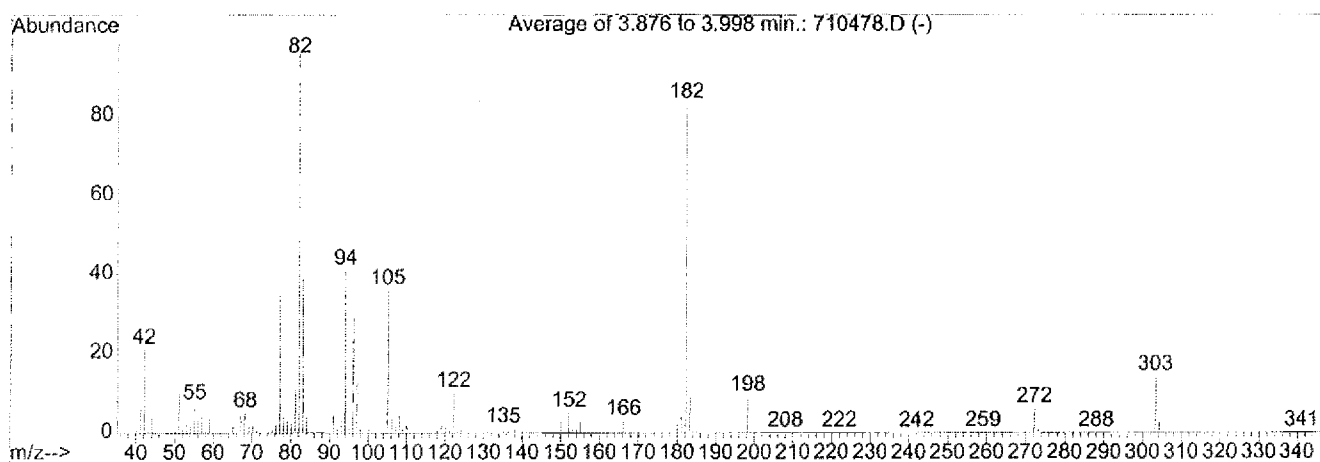
```

File Name       : F:\Q2-2010\SYSTEM4\05_14_10\710478.D
Operator        : ASD
Date Acquired   : 15 May 2010   22:35
Sample Name     : COCAINE STD
Submitted by    : MGL
Vial Number     : 5
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

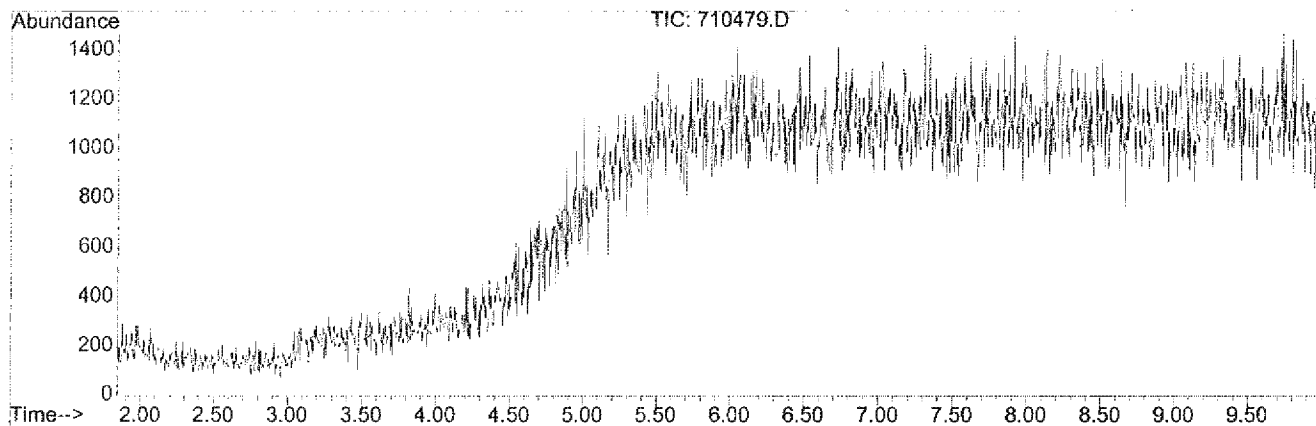
PK#	RT	Library/ID	CAS#	Qual
1	3.90	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710479.D
Operator : ASD
Date Acquired : 15 May 2010 22:49
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



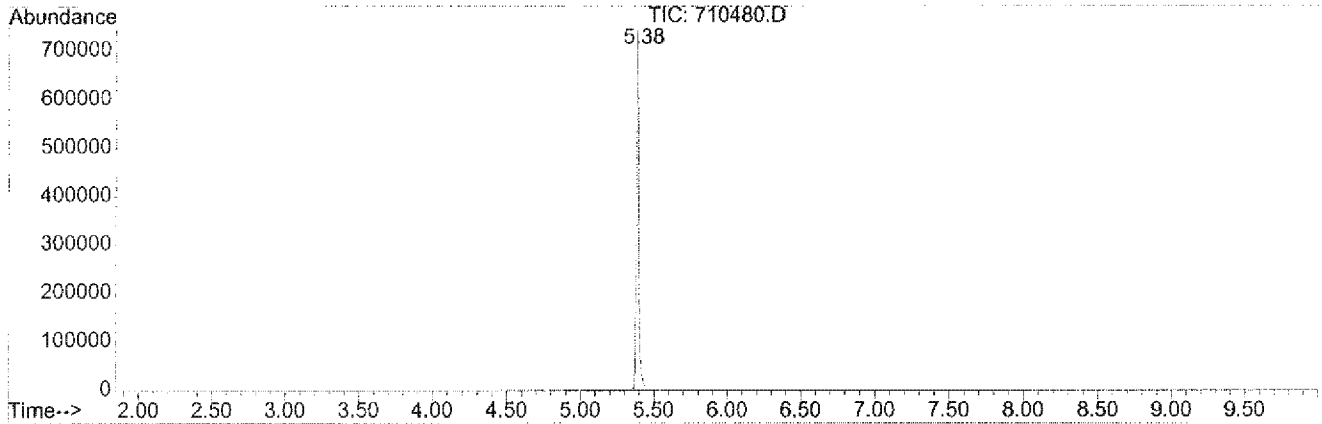
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710480.D
Operator : ASD
Date Acquired : 15 May 2010 23:03
Sample Name : HEROIN STD
Submitted by : MGL
Vial Number : 34
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.384	833566	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

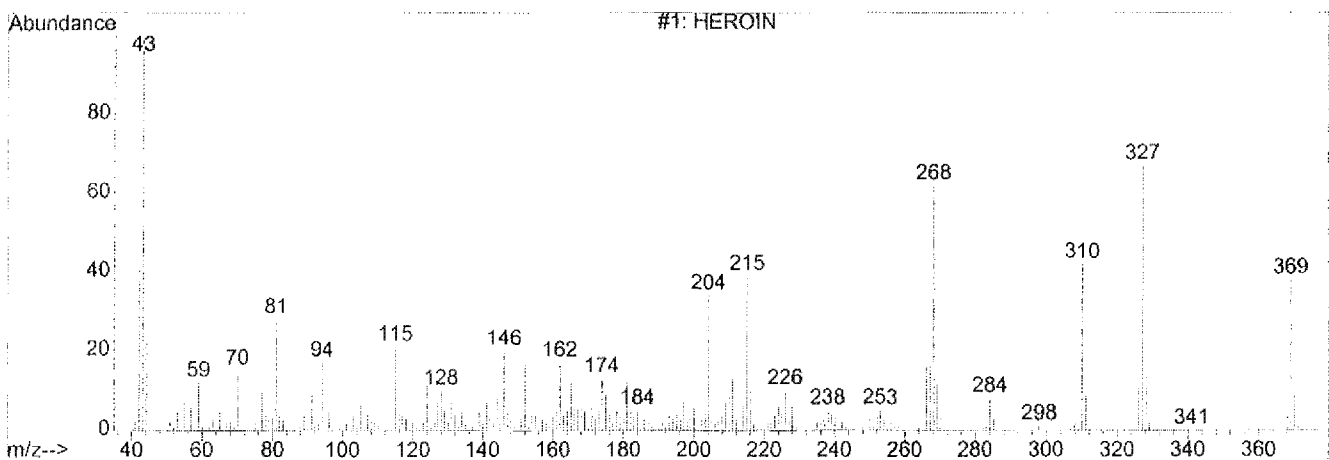
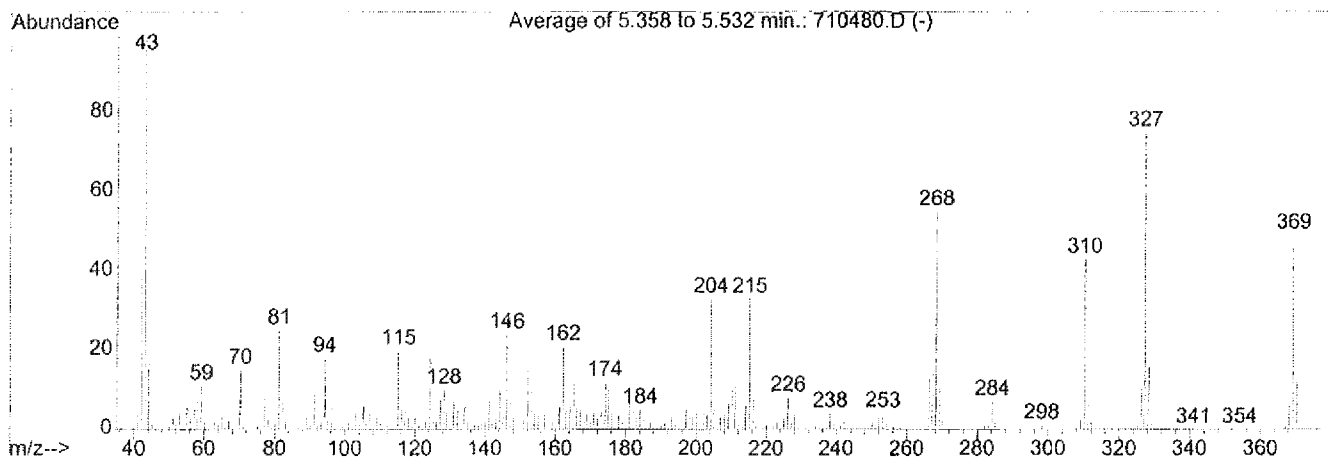
```

File Name       : F:\Q2-2010\SYSTEM4\05_14_10\710480.D
Operator        : ASD
Date Acquired   : 15 May 2010   23:03
Sample Name     : HEROIN STD
Submitted by    : MGL
Vial Number     : 34
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

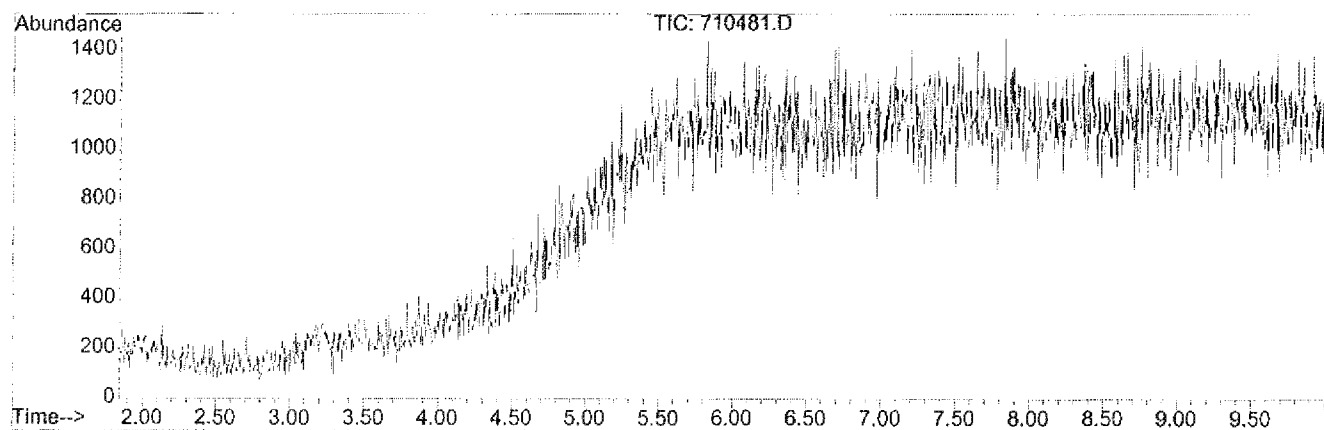
PK#	RT	Library/ID	CAS#	Qual
1	5.38	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_14_10\710481.D
Operator : ASD
Date Acquired : 15 May 2010 23:17
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Last page.....no further data